

WHAT WE CLAIM IS:

1. A call re-termination system comprising:
- a customer premises equipment of a subscriber having one or more members;
 - a telephone line associated with the subscriber in a telephone network in communication with a service switching point;
 - a trigger provisioned on the telephone line at the service switching point;
 - a service control point in communication with the service switching point; and
 - a service node in communication with the service control point and the service switching point,
- wherein when a member of the subscriber presses one or more keys on the customer premises equipment during a call between the member and a caller, the service switching point launches a query to the service control point,
- wherein the service control point returns a message to the service switching point in response to the query;
- wherein the service switching point forwards the call to a service node according to instructions contained in the message; and
- wherein the service node re-terminates the call to the subscriber.
2. The system of claim 1, wherein the trigger is a customer dialing plan trigger.
3. The system of claim 1, wherein at least one of the keys is a flash key.

4. The system of claim 3, wherein at least one of the keys is a number key.

A1
5. The system of claim 1, wherein the call is re-terminated to the customer premises equipment, and wherein one of a device associated with the customer premises equipment and a second member of the subscriber responds to the re-terminated call.

6. The system of claim 5, wherein the device is one of an answering machine and a fax machine.

7. The system of claim 5, wherein at least one of the keys is associated with the second member.

8. The system of claim 5, wherein the re-terminated call rings with a distinctive ringing tone.

9. The system of claim 5, wherein the second member picks up the re-terminated call using a second customer premises equipment.

10. The system of claim 1, wherein the call is re-terminated to a voice mailbox of the subscriber.

11. A method for re-terminating telephone calls in a telephone network

comprising the steps of:

establishing a telephone call between a caller and a member of a subscriber;
receiving a sequence of key strokes from the member who uses a customer premises equipment during the call;
reviewing a subscriber list related to the subscriber based at least in part on the sequence of keys;
transferring the call to a component in the telephone network; and
re-terminating the call from the component.

12. The method of claim 11, further comprising the step of storing the subscriber list within the telephone network.

13. The method of claim 11, wherein the sequence of keystrokes comprises a flash key of the customer premises equipment.

14. The method of claim 13, wherein the sequence of keystrokes further comprises one or more number keys of the customer premises equipment.

15. The method of claim 11, wherein the call is re-terminated to the customer premises equipment.

16. The method of claim 15, wherein the call is picked up by one of an answering machine and a fax machine.

17. The method of claim 15, wherein the call is picked up by a second member of the subscriber.

18. The method of claim 11, wherein the sequence of keystrokes is associated with an intended member of the subscriber.

19. The method of claim 18, wherein the call is re-terminated with a distinctive ringing tone associated with the intended member.

20. The method of claim 18, wherein the call is re-terminated to a voice mailbox associated with the intended member.

21. A method for re-terminating telephone calls in a telephone network comprising the steps of:

creating a subscriber list comprising member information related to a multi-member subscriber;

terminating a call to a customer premises equipment of the subscriber;

receiving a sequence of key strokes from an answering member of the subscriber, wherein the sequence identifies an intended member of the subscriber;

transferring the call to a component of the telephone network;

instructing the answering member to hang up; and

re-terminating the call in accordance with the member information.

22. The method of claim 21, further comprising the step of ringing a

customer premises equipment of the subscriber with a distinctive ringing tone associated with the intended member.

23. The method of claim 21, wherein a result of the re-terminating step is to transfer the call to a voice mailbox of the intended member.

24. The method of claim 21, wherein the telephone network is an advanced intelligent network.

25. The method of claim 24, wherein the component is a service node.

26. A method for re-terminating telephone calls in an advanced intelligent network comprising the steps of:

storing a subscriber list in a database accessible to a service control point, wherein the subscriber list comprises member information related to a subscriber;

terminating a call from a caller to a customer premises equipment of the subscriber that is associated with a telephone line;

detecting a sequence of key strokes from an answering member of the subscriber, wherein the sequence is detected by a trigger provisioned on the telephone line;

launching a query by a service switching point associated with the telephone line to the service control point, wherein at least part of the sequence is incorporated into the query;

AI
consulting the database to review the member information;
transferring the call to a service node; and
re-terminating the call in accordance with the member information.

27. The method of claim 26, wherein the call is re-terminated to the customer premises equipment.

28. The method of claim 27, wherein the call is picked up by one of an answering machine, a fax machine, and a second member of the subscriber.

29. The method of claim 26, wherein the sequence of keystrokes is associated with an intended member of the subscriber.

30. The method of claim 29, wherein the call is re-terminated with a distinctive ringing tone associated with the intended member.

31. The method of claim 30, wherein the call is picked up by the intended member.

32. The method of claim 29, wherein the call is re-terminated to a voice mailbox associated with the intended member.

33. The method of claim 26, further comprising the step of instructing the answering member to hang up.